

caB2B

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About cancer Bench-to-Beside (caB2B)

cancer Bench-to-Beside (caB2B) is an open-source query tool that permits translational research scientists to search and combine data from virtually any caGrid data service.

The caB2B suite is composed of three core components: the Web application, the Client Application and the Administrative Module.

The caB2B Web Application provides query templates that allow easy search and retrieval of microarray data (from caArray), imaging data (from the National Biomedical Imaging Archive (NBIA)), specimen data (from caTissue) and nanoparticle data (from caNanoLab) across the grid. Searches can be performed on selected locations using either form-based or keyword searches and data can be exported in the CSV format. The web application can be used from standard web browsers and does not require any software to be downloaded.

The caB2B Client Application is a thick Java application that enables advanced end users to create and execute queries across caGrid data services. The query component consists of a diagrammatic view that allows the user to graphically create a query that is to be executed and also helps the user to connect two or more classes to be searched. Users can save the query and data returned may be saved in the form of a 'virtual experiment'. These data can be visualized using various graphical components.

The Administrative Module provides a graphical user interface for customizing a particular instance of caB2B. For example, an administrator can select models and service instances that may be queried, curate paths between classes in models, create user-friendly categories using two or more classes from a model, and create inter-model joins.

Release Information

Current Version Number: 3.2

Release Date of Current Version: 06/2011

Intended Audiences: Basic and translational researcher

Tool Download Files

[caB2B Installer](#). Last updated on 20 June 2011

Domain and Technical Information

Area of Focus: Translational Research

Primary Workspace: ICR

Tool Bundle: Life Sciences Distribution

Currently caGrid Enabled? Yes

Tool Maturity Assessment: Stable Release (Adoption in Progress)

Architecture Level: Desktop Application, Web Application, Enterprise System/Infrastructure - Server/Network Dependent

Installation Level: Basic - Wizard or web browser application; minimal technical assistance required

System Requirements:

Client-

JRE version 1.6.03

Windows, Linux, Mac

Recommended Memory 1GB

Server-

JDK 1.6.03

JBoss 4.0.5 GA

MySQL 5.0.45

Ant 1.7.x

Recommended Memory 2GB

Documentation and Training

- [Web Application User Manual](#)
- [Client Application User Manual](#)
- [Administration Manual](#)
- [Installation Manual](#)

Presentations and Demos

[caB2B v3.1 Overview Presentation](#)

[caB2B Webinar on November 23, 2010](#)

[caB2B Webinar on January 20, 2011](#)

[caB2B Webinar on March 24, 2011](#)

[caB2B Webinar on May 26, 2011 presentation and caB2B Webinar on May 26, 2011 movie](#)

[caB2B v3.2 Web Application Webinar on July 29, 2011](#)

caB2B Public Instances

You may use the hosted caB2B Web Application [Washington University in St. Louis instance](#), [Georgetown University instance](#), or [NCI instance](#).

Questions and Suggestions

Please let us know your comments, questions or suggestions at the [caB2B Forums](#).

Developer Institutions

- [Center for Biomedical Informatics \(Washington University in St. Louis\)](#)
- [Georgetown University](#)
- [National Cancer Institute](#)